



ROOM CONFERENCE SERIES

Our Conference Series line of products offer fully integrated solutions that provide a functioning conference experience out of the box for small to large conference rooms. Each product can be customized and enhanced using a wide range of BrightCom peripherals and accessories.

ClearView 2000HD ClearView 2000SD

Designed for larger conference rooms, this integrated video conference system provides multi-way HD or DVD quality video conferencing with superior audio. The double 42" or 52" LCD monitors expands meeting environments with side by side video and data sharing.

The ClearView 2000 links to the Visual Collaboration System to allow meeting control, administration and interactive web conferencing functionalities. High resolution video and audio enhances the collaborative experience extending the conferencing environment for your employees, customers and partners.

Components

- ClearView console
- Dual 42" or 52" LCD monitors
- High definition or standard definition BrightCom pan-tilt-zoom camera
- Acoustic echo cancellation system - includes one microphone

Features at a Glance

- Display up to 16 video broadcasts with an unlimited number of meeting participants
- Conduct multiple and simultaneous meetings
- Adaptable bandwidth options
- HD or DVD quality video and CD quality audio
- Video, data and audio conferencing
- Intuitive, multi-panel display for video and data

*Requires Visual Collaboration System
**No MCU Required



ClearView 2000HD

ClearView 2000SD

Unit Contents:

CVC 2052HD: Two 52" LCD monitor, HD PTZ Camera, Remote Control, ClearView (Codec) Console, Echo canceller, 1 Microphone, Cabling

CVC 2052SD: Two 52" LCD monitor, PTZ Camera, Remote Control, ClearView (Codec) Console, Echo canceller, 1 Microphone, Cabling

CVC 2042HD: Two 42" LCD monitor, HD PTZ Camera, Remote Control, ClearView (Codec) Console, Echo canceller, 1 Microphone, Cabling

CVC 2042SD: Two 42" LCD monitor, PTZ Camera, Remote Control, ClearView (Codec) Console, Echo canceller, 1 Microphone, Cabling

Optional Accessories:

Pedestal
Wall-mount
Wall or Ceiling speakers
Custom Camera
HDMI Adapter

Audio Inputs

1 x RCA/Phono, composite
Expandable to 16 stereo microphone inputs

Audio Outputs

1 x stereo-mini main audio

Audio Specifications

G.722 Compression
CD-Quality
Audio Mixer
Wideband Echo Cancellation
Background noise reduction
Audio/Video Synchronization
Stereo speakers and microphone

Video Inputs

1 x RCA/Phono, composite
Optional HDMI Adapter

Video Outputs

1 / DVI

Video Specifications

ClearView 2000HD

HDTV up to 1080p @ 30fps for optimal video quality to bandwidth ratio
Optional 720p, 576p, 576i, 480p, 480i (@30-fps) video resolution
H.264 Compression
User interface resolution: HD 1080p
Picture-in-Picture (local video preview)

ClearView 2000SD

(CIF)352x288 @ 30fps for optimal video quality to bandwidth ratio
Optional (4CIF)704x576 video resolution
H.264 Compression
User interface resolution: HD 720p
Picture-in-Picture (local video preview)

Network Interfaces

1 x LAN/Ethernet (RJ-45) 10/100/1000

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Network Interfaces

1 x LAN/Ethernet (RJ-45) 10/100/1000 Mbit for network connection

High Definition PTZ Camera

ClearView 2000HD

High Definition Resolution
1080/59.94i
Lens: f=3.4mm-33.9mm, F=1.8-2.1
0.1 Lux
10x Optical Zoom
40x Digital Zoom
Pan range: +/-100°
Tilt angle: +/-25°
Horizontal View Angle: 70°
Minimum Object Distance: 100mm
Video outputs: RCA, S-Video
6 Presets
Auto or manual focus/brightness/whitebalance

PTZ Camera

ClearView 2000SD

NTSC/PAL
768x494 (NTSC) / 752x582 (PAL)
Lens: f=3.9mm-85.5mm, F=1.6
0.1 Lux
10x Optical Zoom
Pan range: 0°-300°
Tilt range: -30°-90°
Video outputs: RCA, S-Video
6 Presets
Auto or Manual Focus

Connectivity

Static IP Address
DHCP
Firewall/NAT Traversal
Proxy Traversal

Bandwidth

ClearView 2000HD

1080p@60fps - 5.2 Mbps per stream
1080p@30fps - 2.6 Mbps per stream
720p@60fps - 2.5 Mbps per stream
720p@30fps - 1 Mbps per stream
Dynamically scalable bandwidth. Bandwidth adjust intuitively to fit system broadcast requirements.

ClearView 2000SD

Dynamically scalable bandwidth from 56k to 1Mbps.
Bandwidth adjust intuitively to fit system broadcast requirements.

Multiway Conferencing

Up to 16-way conferencing without an MCU
Conduct multiple and simultaneous meetings
PTZ control of any remote camera
Desktop as well as conference room participants may interconnect

User Interface

User-friendly remote controllable graphical interface
Dialing/Answering
Multi-way conference calling
Local and remote camera PTZ controls
Automatically populated address book no call/phone number setup required
Awareness: remote user status, description, time, and time zone
"Do Not Disturb" option
Controlled by 22 button remote control
Configuration options for IP Address and PTZ presets
Single environment for Data and Video Conferencing

Administration

Minimal local administration is done through the User Interface
Most administration may be performed through a web-based interface hosted by the BrightCom Visual Collaboration System 2.0

Directory Integration for Desktop Users

LDAP
Optional Integrated Directory

Security

AES encryption on all audio and video data
SSH security protocol applied on all other forms of communication
Administration password required

Firmware Updates

Updates applied on the Visual Collaboration System 2.0 are automatically distributed to ClearView (Codec) Consoles
Benefits include: new features and performance upgrades

Supported Standards

H.264, G.722, VISCA, RTP(RFC 1889), RTSP (RFC 2326), Tunnelled-RTSP (RFC 2326), SDP (RFC 2327), XML-RPC, AES, SSH, MD-5. HTTP, TCP, UDP, DHCP, SIP

Power

100-250 VAC, 50-60Hz

Dimensions

Width: 2480 mm
Height: 1035 mm
Depth: 400 mm

Minimum Requirements

1 x Visual Collaboration System 2.0
10Mbit IP Network Connection

Recommend Deployment

MPLS (or similar) enabled network for optimal bandwidth performance
Adequate lighting for optimal camera performance

All specifications are subject to change without notice.
Specifications may vary between model versions.
Actual products may differ from images representing them in these documents.